

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"5995176".pn.	USPAT	OR	OFF	2006/04/12 17:17
L2	1	"6661488".pn.	USPAT	OR	OFF	2006/04/12 17:18
L3	1	"5847381".pn.	USPAT	OR	OFF	2006/04/12 17:19
S1	1023	349/110-111.ccis.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/16 14:34
S2	158804	electrode\$2 near15 (opening\$2 aperture\$2 hole\$2 slit\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/16 14:36
S4	345	S1 and S2	USPAT	OR	OFF	2004/08/16 14:37
S5	21233	((black adj (matrix mask)) or shild\$6 or block\$6) and S2	USPAT	OR	OFF	2004/08/16 14:40
S6	274	((black adj (matrix mask)) or shild\$6 or block\$6) and S4	USPAT	OR	OFF	2004/08/16 14:40
S7	36	349/110 and 349/130	USPAT; JPO	OR	OFF	2004/08/16 16:37
S8	858	349/110	USPAT; JPO	OR	OFF	2005/11/22 15:17
S9	563	349/38	USPAT; JPO	OR	OFF	2002/09/24 08:52
S10	284	349/130	USPAT; JPO	OR	OFF	2002/09/24 09:35
S11	0	349/125 and (boundar\$4 near orientat\$4)	USPAT; JPO	OR	OFF	2002/09/24 09:38
S12	180982	orientat\$4 and control	USPAT; JPO	OR	OFF	2002/09/24 09:41
S13	22134	(orientat\$4 and control)and window	USPAT; JPO	OR	OFF	2002/09/24 09:42
S14	5126	(orientat\$4 and control)and window and boundar\$4	USPAT; JPO	OR	OFF	2002/09/24 09:42
S15	76	(orientat\$4 and control)and window and boundar\$4 and ((light adj shield\$4) or (black adj matrix))and overlap\$4	USPAT; JPO	OR	OFF	2005/06/10 12:40
S16	1	((light adj shield\$4) same (boundar\$4 near orientat\$4))	USPAT; JPO	OR	OFF	2002/09/24 09:48
S17	6	((light adj shield\$4) and (boundar\$4 near orientat\$4))	USPAT; JPO	OR	OFF	2002/09/24 09:53

## EAST Search History

S18	1	349/129 and (boundar\$4 near orientat\$4)	USPAT; JPO	OR	OFF	2002/09/24 10:35
S19	2	349/110 and (boundar\$4 near orientat\$4)	USPAT; JPO	OR	OFF	2002/09/24 10:42
S20	3	349/38 and (boundar\$4 near orientat\$4)	USPAT; JPO	OR	OFF	2002/09/24 10:42
S21	3	349/130 and (boundar\$4 near orientat\$4)	USPAT; JPO	OR	OFF	2002/09/24 10:42
S22	1	349/130 and (orientat\$4 adj divid\$4)	USPAT; JPO	OR	OFF	2002/09/24 10:45
S23	74	(orientat\$4 and control)and window and boundar\$4 and ((light adj shield\$4) or (black adj matrix))and overlap\$4 and wid\$4	USPAT; JPO	OR	OFF	2003/12/11 11:19
S24	136	(orientat\$4 and control)and window and boundar\$4 and ((light adj shield\$4) or (black adj matrix))	USPAT; JPO	OR	OFF	2005/06/10 12:40
S25	130	orientat\$4 adj divid\$4	USPAT; JPO	OR	OFF	2005/06/10 12:40
S26	94	349/125	USPAT; JPO	OR	OFF	2002/09/24 15:08
S27	48	("3914022"   "4581608"   "4701028"   "4728175"   "4786147"   "4889412"   "4937566"   "4978203"   "5039185"   "5042918"   "5093741"   "5182664"   "5249070"   "5229873"   "5309264"   "5339181"   "5392145"   "5477358"   "5517341"   "5517342"   "5574582"   "5576863"   "5594568"   "5602662"   "5608556"   "5621558"   "5623354"   "5638201"   "5666179"   "5668650"   "5673092"   "5686977"   "5710611"   "5736067"   "5737051"   "5739878"   "5767926"   "5777701"   "5777711"   "5853818"   "5856857"   "5963290"   "6067140"   "6084651"   "6091471"   "6100953"   "6157428"   "6222601"). PN.	USPAT	OR	OFF	2002/09/24 15:09
S28	1	"5710611".pn.	USPAT; JPO	OR	OFF	2002/09/24 15:24
S29	292	349/129	USPAT; JPO	OR	OFF	2002/09/25 08:59
S30	2490	(orientat\$4 or align\$4) adj (divid\$4 or window)	USPAT; JPO	OR	OFF	2002/09/25 09:31
S31	112	((orientat\$4 or align\$4) adj (divid\$4 or window)) and (liquid adj crystal)	USPAT; JPO	OR	OFF	2003/04/30 10:29

## EAST Search History

S32	194	((orientat\$4 or align\$4) adj (divid\$4 or window)) and (liquid adj crystal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/30 10:38
S33	205	(orientat\$4 and control)and window and boundar\$4 and ((light adj shield\$4) or (black adj matrix))and overlap\$4	US-PGPUB; USPAT; JPO	OR	ON	2005/06/10 12:41
S34	18	(orientat\$4 and control)and window and boundar\$4 and ((light adj shield\$4) or (black adj matrix))and overlap\$4 and wid\$4 and 349/110	US-PGPUB; USPAT; JPO	OR	ON	2003/12/11 11:20
S35	1	(orientat\$4 and control)and window and boundar\$4 and ((light adj shield\$4) or (black adj matrix))and overlap\$4 and wid\$4 and 349/130	US-PGPUB; USPAT; JPO	OR	ON	2003/12/11 11:20
S36	4	(orientat\$4 and control)and window and boundar\$4 and ((light adj shield\$4) or (black adj matrix))and overlap\$4 and wid\$4 and 349/38	US-PGPUB; USPAT; JPO	OR	ON	2003/12/11 11:20
S37	6	("5471330"   "5514879"   "5557534"   "5576860"   "5600155"   "5905548"). PN.	USPAT	OR	OFF	2004/08/13 13:05
S38	4399	sanyo.as.	USPAT	OR	OFF	2004/08/13 13:13
S39	67	sanyo.as. and ((orientation align\$4) near10 (control divider))	USPAT	OR	OFF	2004/08/13 13:23
S40	8012	((black adj matrix) (light adj shield44) shad\$4 opaque) and ((orientation align\$4) near10 (control divider))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/13 13:24
S41	851	((black adj matrix) (light adj shield44) shad\$4 opaque) and ((orientation align\$4) near10 (control divider)) and "349"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/13 13:25
S42	390	((black adj matrix) (light adj shield44) shad\$4 opaque) and ((orientation align\$4) near10 (control divider)) and "349"/\$.ccls. and overlap\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/13 13:25
S43	23	((black adj matrix) (light adj shield44) shad\$4 opaque) and ((orientation align\$4) near10 (control divider)) and "349"/\$.ccls. and overlap\$4 and 349/130	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 15:23

## EAST Search History

S44	235	(orientat\$4 and control)and window and boundar\$4 and ((light adj shield\$4) or (black adj matrix))and overlap\$4 and wid\$4	US-PGPUB; USPAT; JPO	OR	ON	2004/08/13 14:56
S45	242	(orientat\$4 and control)and window and boundar\$4 and ((light adj shield\$4) or (black adj matrix))and overlap\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/08/13 14:56
S47	1	"5473455".pn.	USPAT	OR	OFF	2005/01/26 14:45
S48	296	(orientat\$4 and control)and window and boundar\$4 and ((light adj shield\$4) or (black adj matrix))and overlap\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/10 12:40
S49	451	(orientat\$4 and control)and window and boundar\$4 and ((light adj shield\$4) or (black adj matrix))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/10 12:40
S50	239	orientat\$4 adj divid\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/10 12:40
S51	296	(orientat\$4 and control)and window and boundar\$4 and ((light adj shield\$4) or (black adj matrix))and overlap\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/10 12:41
S52	4	"5995176".pn. "5648828".pn. "6661488".pn. "6724452".pn.	USPAT	OR	OFF	2005/11/23 12:44
S53	1	"6410378".pn.	USPAT; JPO	OR	OFF	2005/11/22 15:17
S54	575	((black adj matrix) (light adj shield44) shad\$4 opaque) and ((orientation align\$4) near10 (control divider)) and "349"/\$.ccls. and overlap\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 15:31
S55	50	((black adj matrix) (light adj shield44) shad\$4 opaque) and ((orientation align\$4) near10 (control divider)) and "349"/\$.ccls. and overlap\$4 and 349/130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 15:31

## EAST Search History

S56	11265	(negative with dielectric)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/22 17:30
S57	11355	(negative with dielectric)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:30
S58	2116	(negative with dielectric) and "349"/\$. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:31
S59	241	(negative with dielectric) and "349"/\$. ccls. and 349/130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:31
S60	25	(negative with dielectric) and "349"/\$. ccls. and 349/130 and (orientation adj control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 17:33
S61	125	(drain adj line) with ((light adj shield\$4) (black adj matrix) shade)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 12:45
S62	97	(drain adj line) near10 ((light adj shield\$4) (black adj matrix) shade)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 13:26
S63	1	"6521474".pn.	USPAT	OR	OFF	2005/12/29 14:13
S66	3	"5995176".pn. "6661788".pn. "5847381".pn.	USPAT	OR	OFF	2006/04/06 11:07